Agilent Technologies

Installation Guide for Agilent 1120 Compact LC System

This Installation Guide will lead through the Installation Process of the Agilent 1120 Compact LC System, Hardware installation and Software setup, Installation Check, Caffeine Checkout *and Installation Finished Report?*.
Expected time for this procedure is about 2h.

IMPORTANT: PLEASE FOLLOW THIS GUIDE STEP BY STEP !!!

What do you need: - HPLC Grade Water 0.5l
- Sample Vial

Please read site prep document to ensure all necessary preparations are fulfilled.
This is included in your shipment.

This Guide is divided into 7 steps:

Step 1.): Unpacking and installing the Agilent 1120 Compact LC Instrument
Step 2.): Install EZ Chrom Elite Compact Software
Step 3.): Configuration of Instrument
Step 4.): Installing the Lab Monitoring and Diagnostic Software
Step 5.): Priming the System and start the Installation Check using LMD software
Step 6.): Controlling Software Familiarization Topics
Step 7.): Checking the System while running a checkout sample

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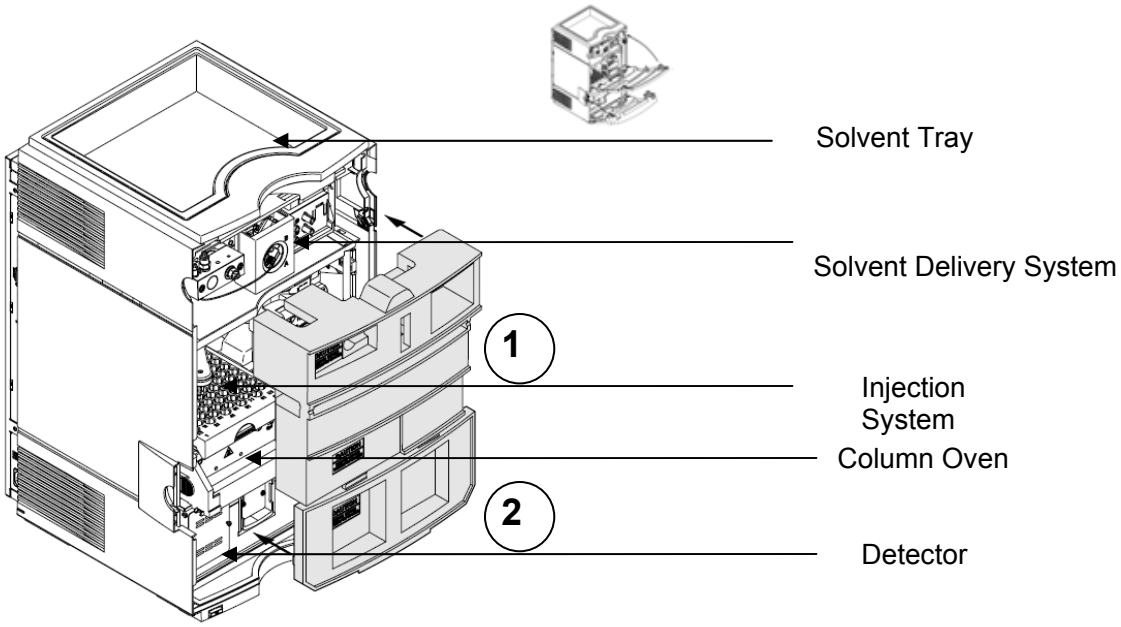
Ensure that the PC used, controlling the Compact LC is already on the bench,
Max distance between controlling PC and Compact LC is 3m.

Step 1.) Unpacking and installing the Agilent 1120 Compact LC Instrument

1. Open the box and compare content with packing list.

2. Place Compact LC on the bench.

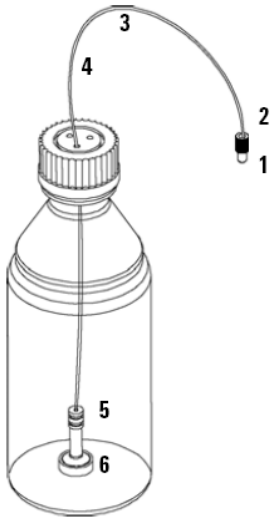
3. Remove both front covers by pressing the release buttons of the front covers and remove the two transport foams.



4. Place Solvent Bottle filled with 0.5 liter HPLC grade water in the Solvent Tray.

5. Place Solvent Inlet Filter end of the Bottle Head Assy in the Solvent Bottle (see picture below)

Item	Description
	Complete assembly
1	Ferrules with lock ring
2	Tube screw
3	Wire marker
4	Solvent tubing, 5 m
5	Frit adapter (pack of 4)
6	Solvent inlet filter, 20µm

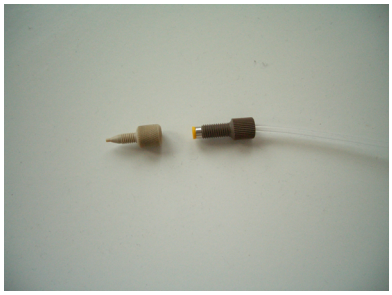


Bottle Head Assy with Solvent bottle

6. Prime the tubing using the Syringe P/N 9301-044 and Syringe adapter P/N 9301-1337 (part of the Accessory kit) until the tubing is completely filled with water.

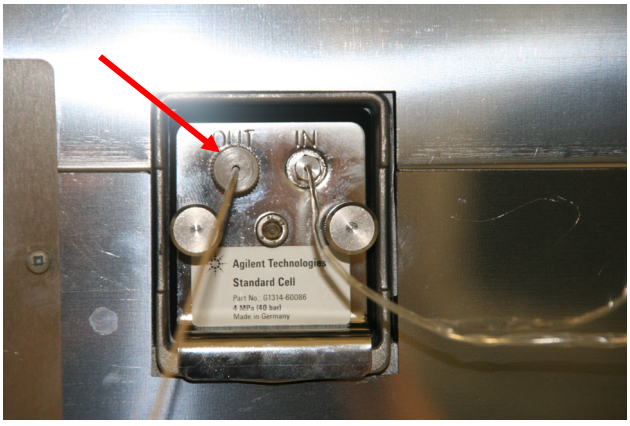
Syringe & Syringe Adapter

7. a.) for isocratic pump: remove PEEK adapter (0100-1847) from the Passive inlet valve and connect the Bottle Head Assy connector to the PEEK adapter, then connect PEEK adapter together with Bottle Head Assy to the pump inlet valve.


Peek Adapter & Connector

b.) for dual channel pump: connect the Bottle Head Assy connector to inlet of the degasser.

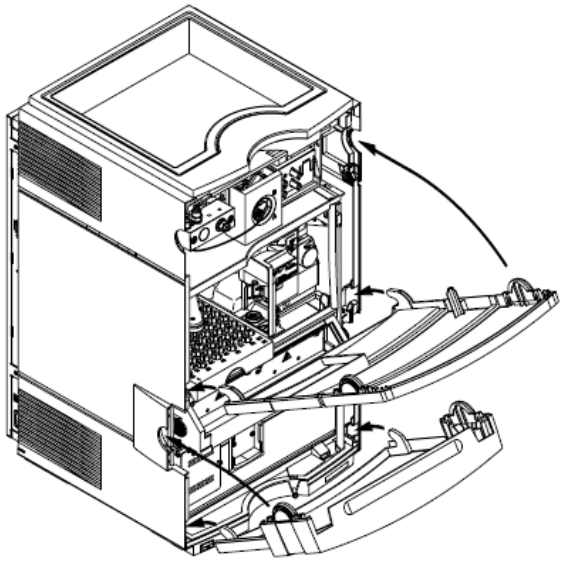
8. Connect Waste tube with fitting (in the Accessory Kit) to the Flow cell outlet and the other end to an appropriate Solvent waste container.



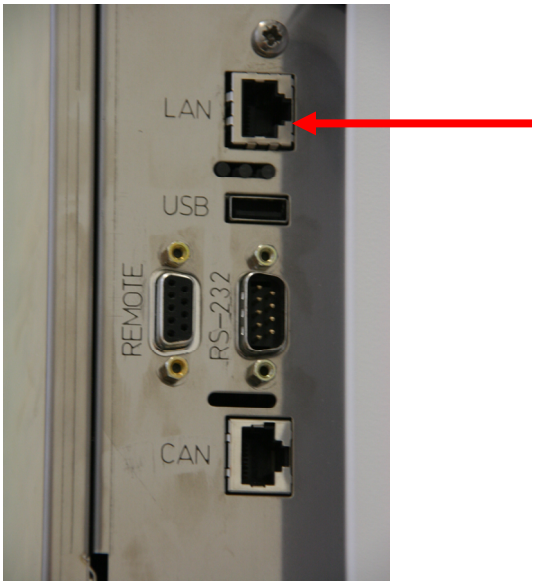
9. Connect waste tube to the Purge Valve and the other end to the waste container

10. Attach Corrugated Waste Tube to the appropriate connector and to the waste container

11. Close Front Covers



12. Connect network connection cable (cross over cable) to the LAN connector of the Agilent 1120 Compact LC and to the appropriate network connector in the PC.



13. Connect Power Cord to the Agilent 1120 Compact LC and Power line.

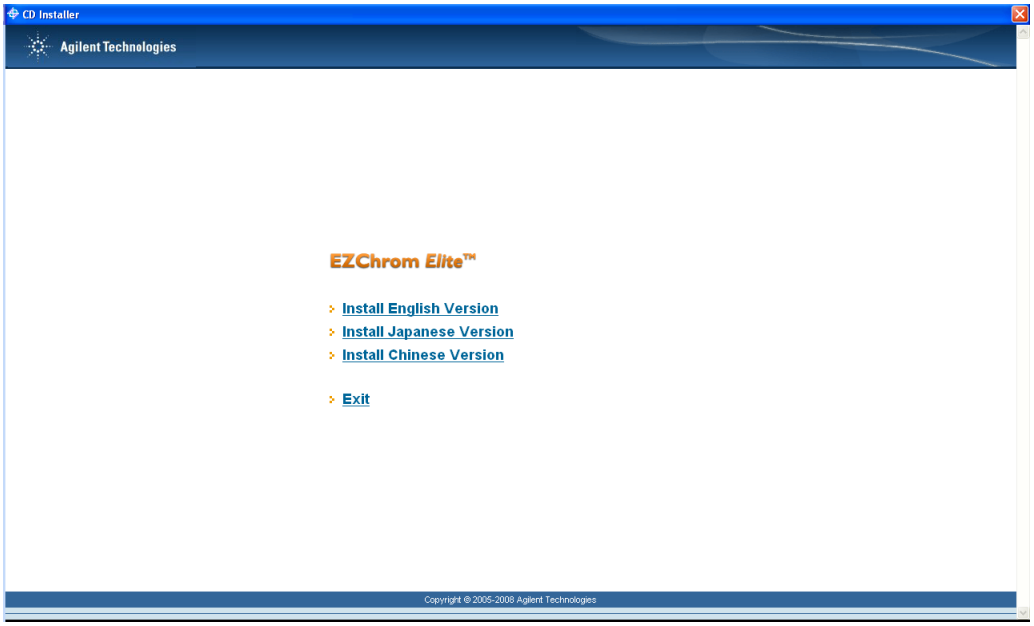
14. Switch on the Agilent 1120 Compact LC on the front left lower corner of the Instrument

Hardware installation has now finished.

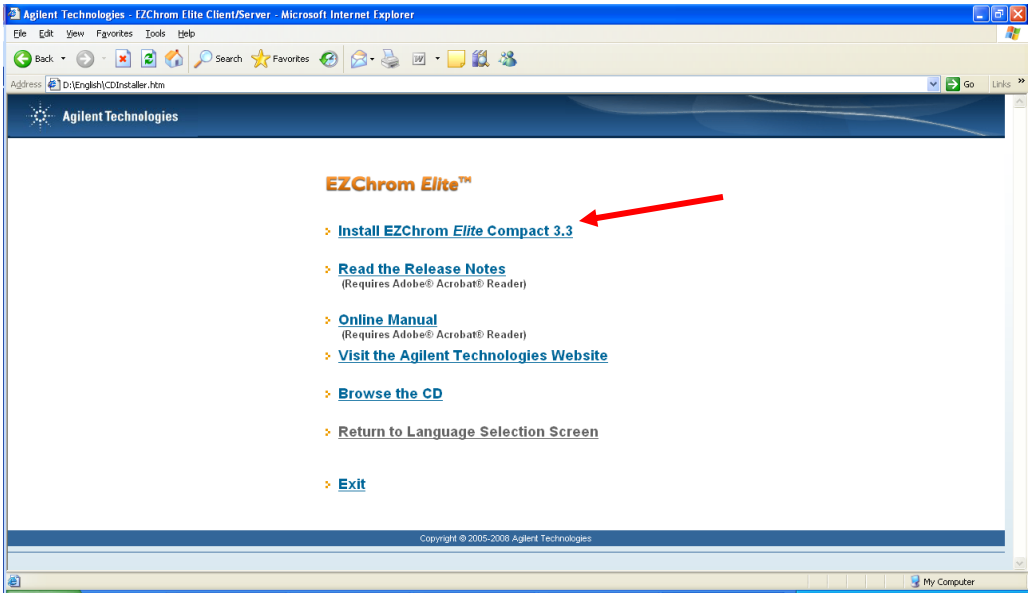
Software Installation:

Step 2.) Install EZ Chrom Elite Compact

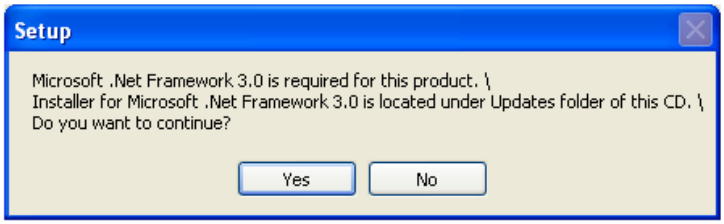
1. Insert CD 'EZ Chrom Elite' in the CD/DVD ROM in the controlling PC



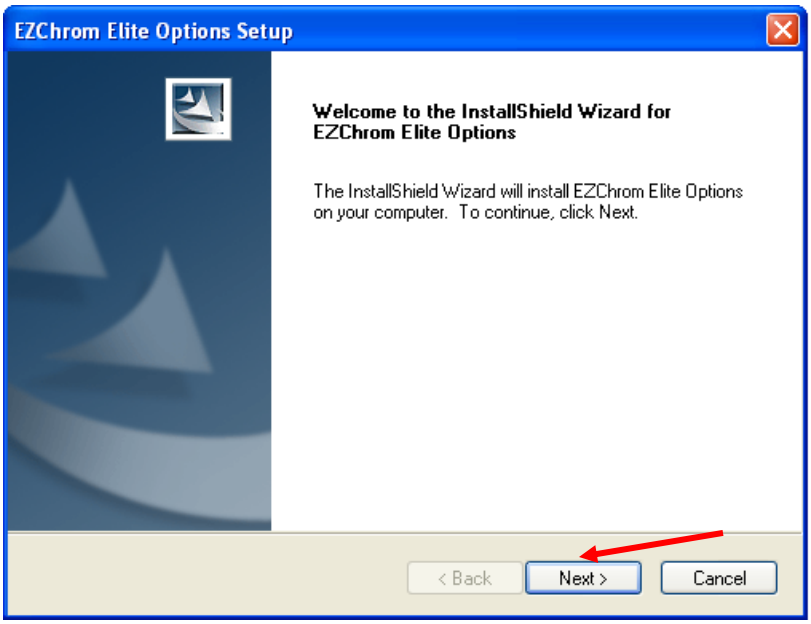
Choose your language

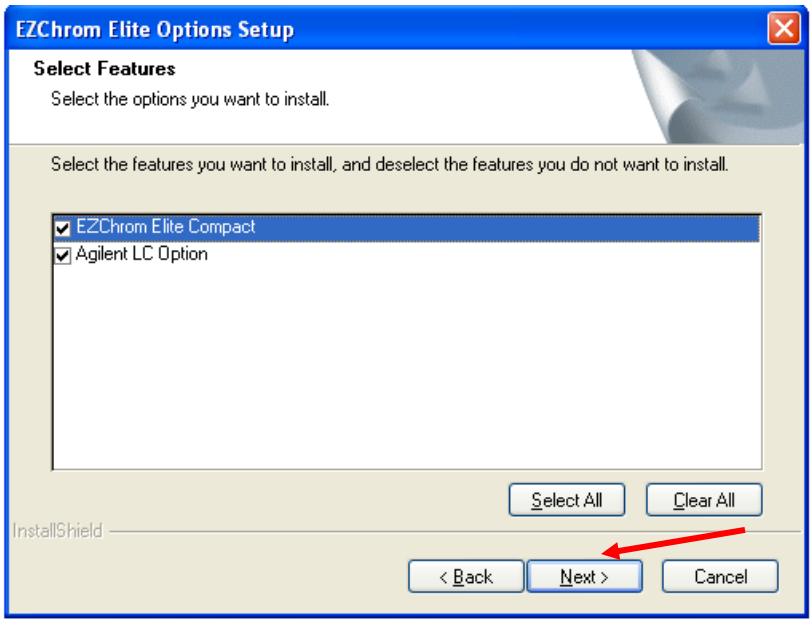


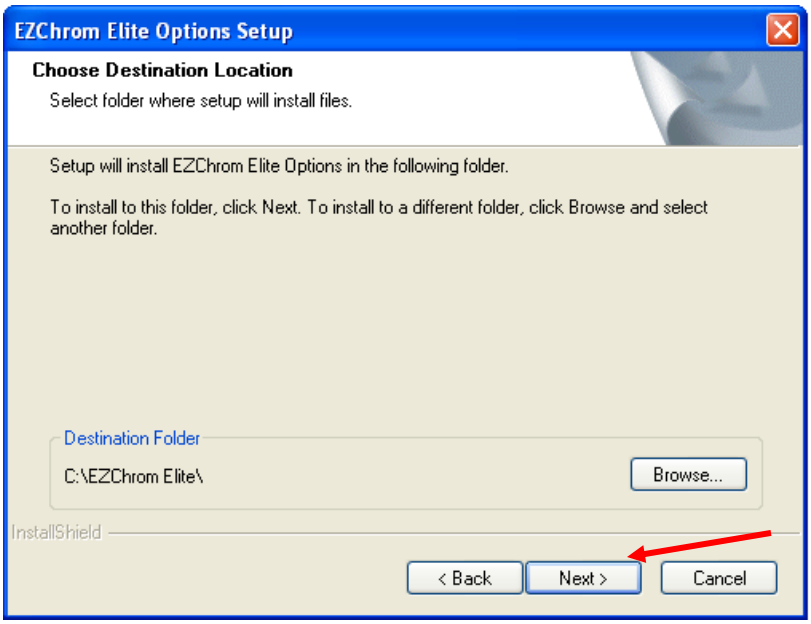
Click to Install

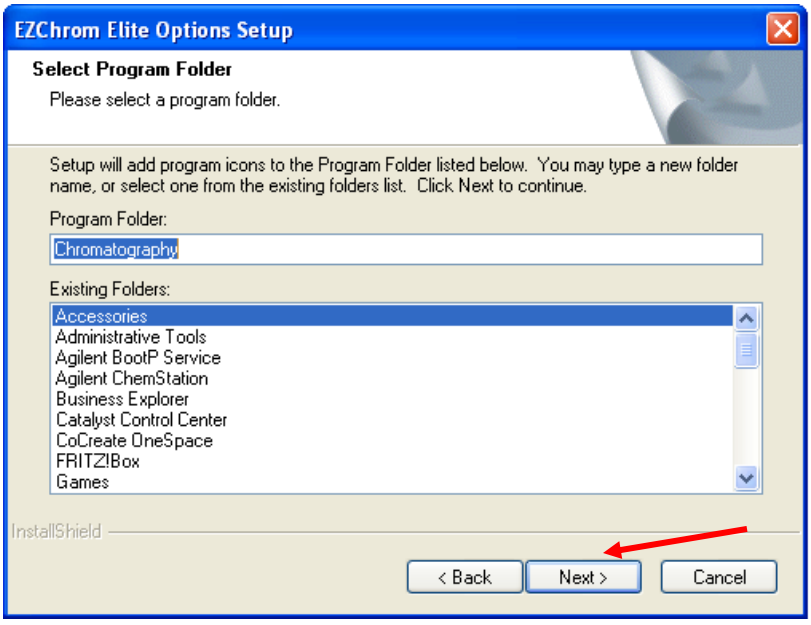

Setup
Microsoft .Net Framework 3.0 is required for this product. \
Installer for Microsoft .Net Framework 3.0 is located under Updates folder of this CD. \
Do you want to continue?
Yes
No

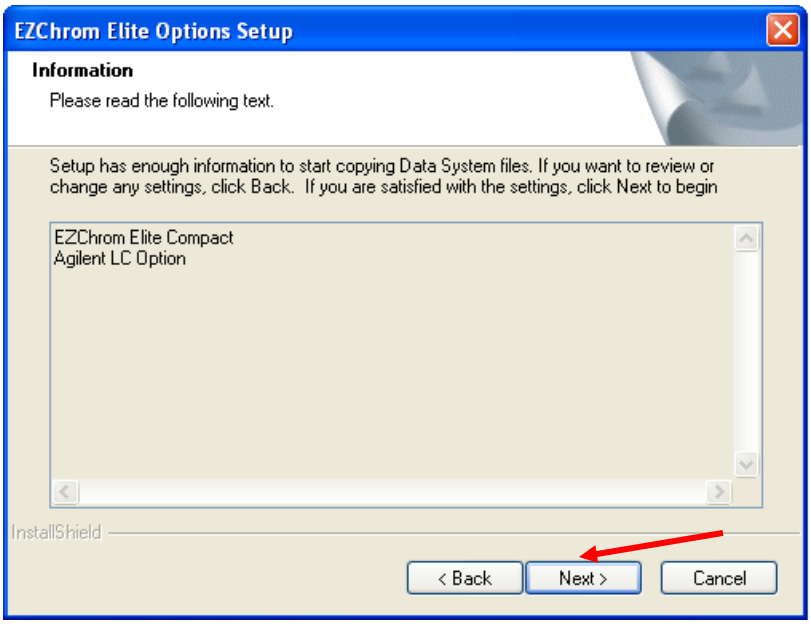
This message appears if .NET Framework 3.0 is not installed.
This Program needs to be installed to run the EZ Chrom Software
The File could be found on Browse CD:\Language\Net 3.0\dotnetfx3.exe
After the installation of .NET Framework, start the EZ Chrom Installation again.

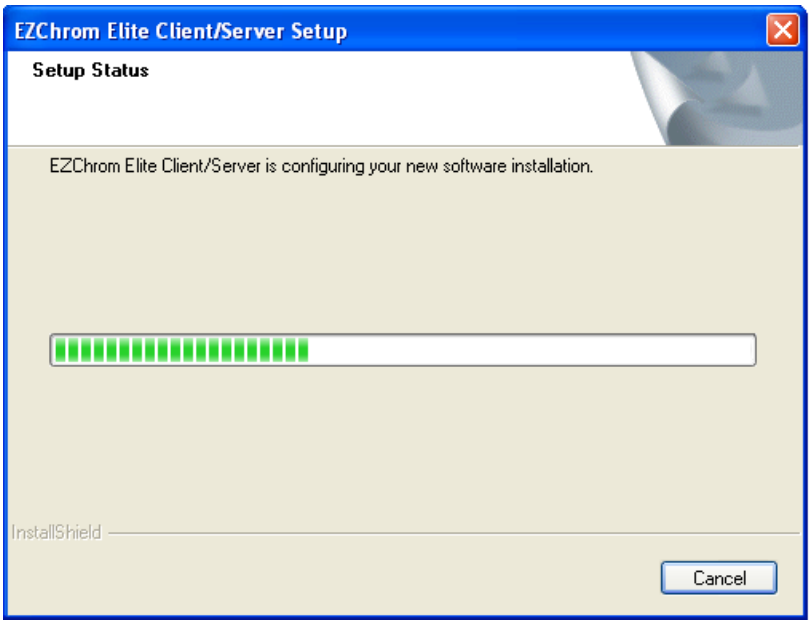

EZChrom Elite Options Setup
Welcome to the InstallShield Wizard for EZChrom Elite Options
The InstallShield Wizard will install EZChrom Elite Options on your computer. To continue, click Next.
< Back
Next >
Cancel

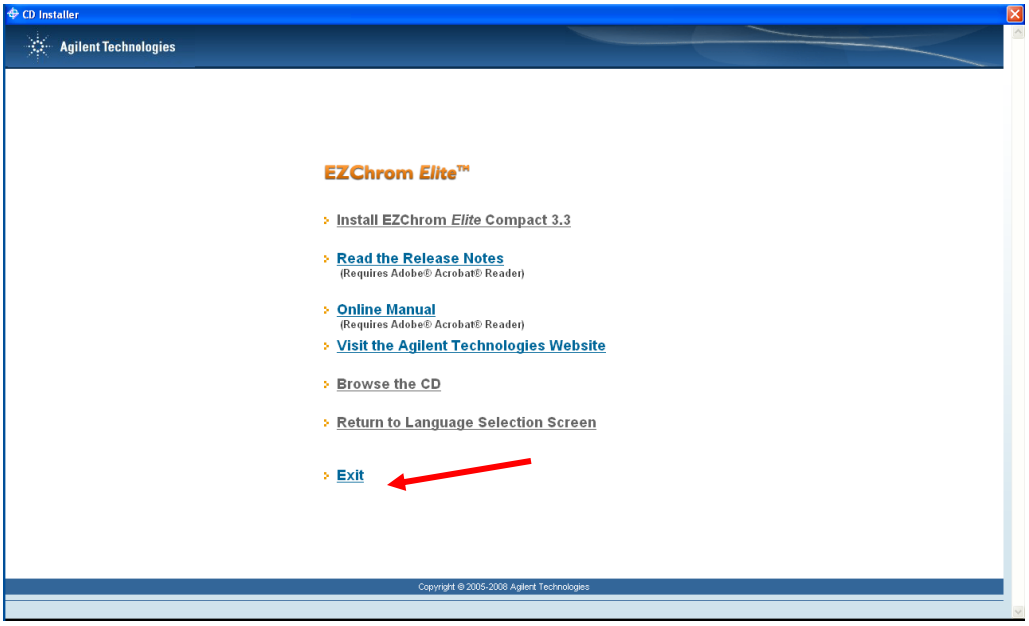

EZChrom Elite Options Setup
Select Features
Select the options you want to install.
Select the features you want to install, and deselect the features you do not want to install.
EZChrom Elite Compact
Agilent LC Option
Select All
Clear All
InstallShield
< Back
Next >
Cancel

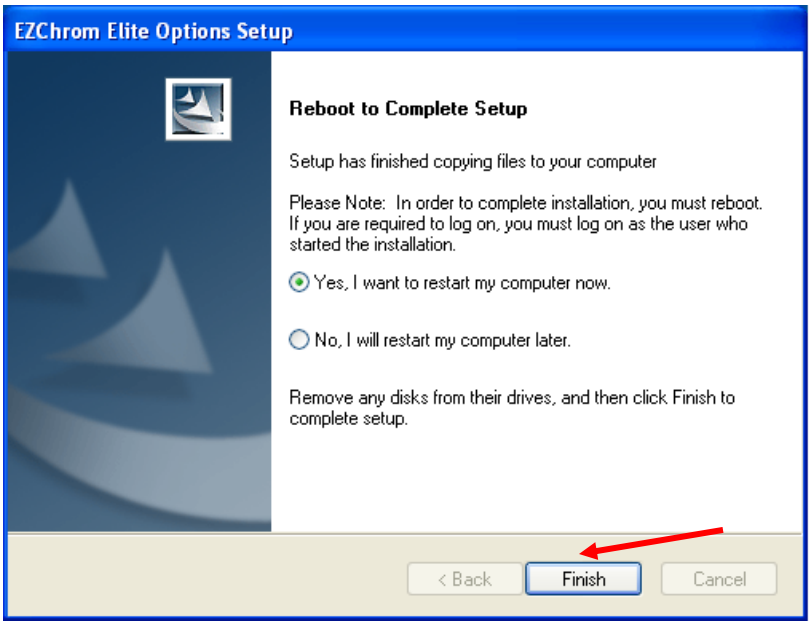

EZChrom Elite Options Setup
Choose Destination Location
Select folder where setup will install files.
Setup will install EZChrom Elite Options in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\EZChrom Elite\
Browse...
InstallShield
< Back
Next >
Cancel


EZChrom Elite Options Setup
Select Program Folder
Please select a program folder.
Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.
Program Folder:
Chromatography
Existing Folders:
Accessories
Administrative Tools
Agilent BootP Service
Agilent ChemStation
Business Explorer
Catalyst Control Center
CoCreate OneSpace
FRITZ!Box
Games
InstallShield
< Back
Next >
Cancel


EZChrom Elite Options Setup
Information
Please read the following text.
Setup has enough information to start copying Data System files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin
EZChrom Elite Compact
Agilent LC Option
InstallShield
< Back
Next >
Cancel


EZChrom Elite Client/Server Setup
Setup Status
EZChrom Elite Client/Server is configuring your new software installation.
InstallShield
Cancel




EZChrom Elite Options Setup
Reboot to Complete Setup
Setup has finished copying files to your computer
Please Note: In order to complete installation, you must reboot. If you are required to log on, you must log on as the user who started the installation.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

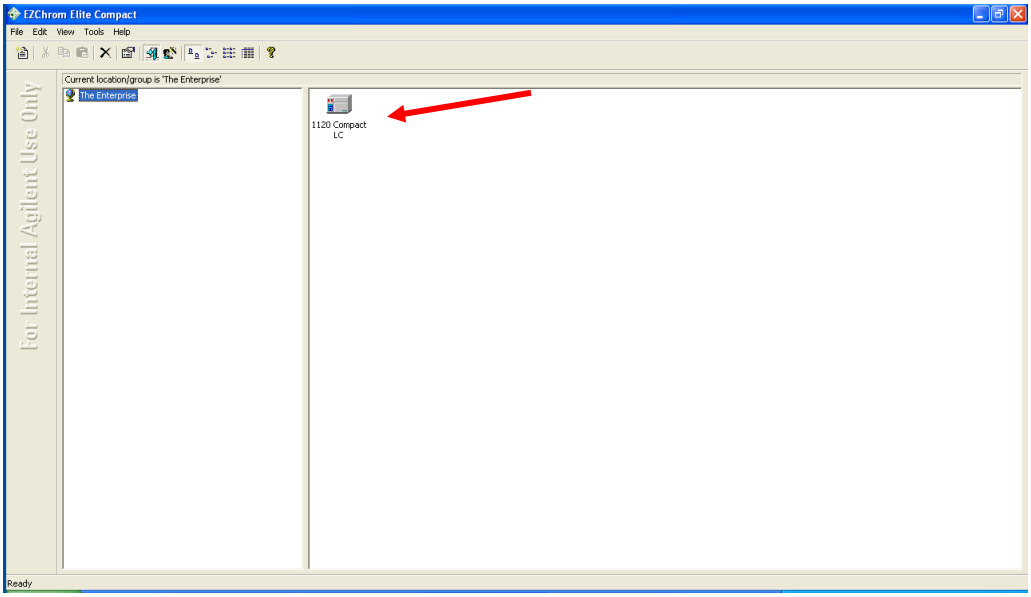
Reboot your PC

2. **Locate the License Dongle (USB-Stick) and plug into a free USB Port in your PC**

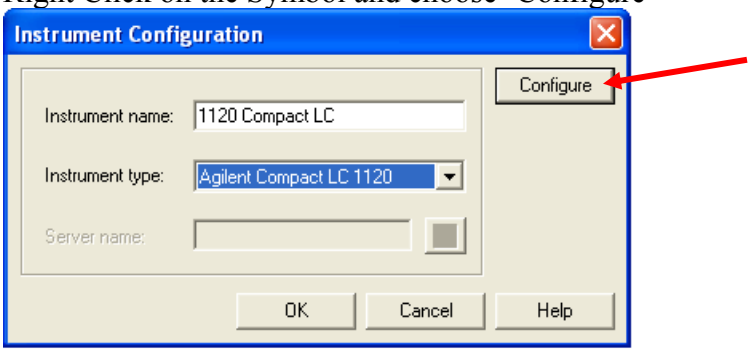
After Reboot open EZ Chrom SW located in Programs\Chromatograhy\EZChrom Elite

Step 3.) Configuration of Instrument

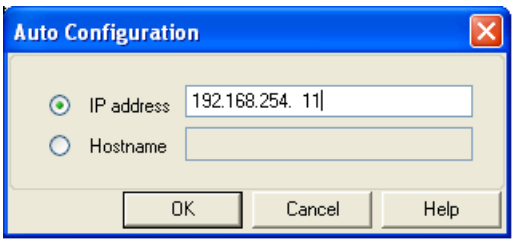
1. By default the IP settings are set to fixed IP, 192.168.254.11
2. Change PC network settings i.e. to IP: 192.168.254.10, Subnet Mask: 255.255.255.0, Default Gateway: N/A
3. If there is a need to use a different IP address, not the default, please follow instructions in the User Manual, G4280-90010, in chapter: Installing the Agilent 1120 Compact LC / LAN Configuration and EZChrom Elite Compact Installation Guide.pdf on the EZ Chrom Compact CD Rom in folder Manual



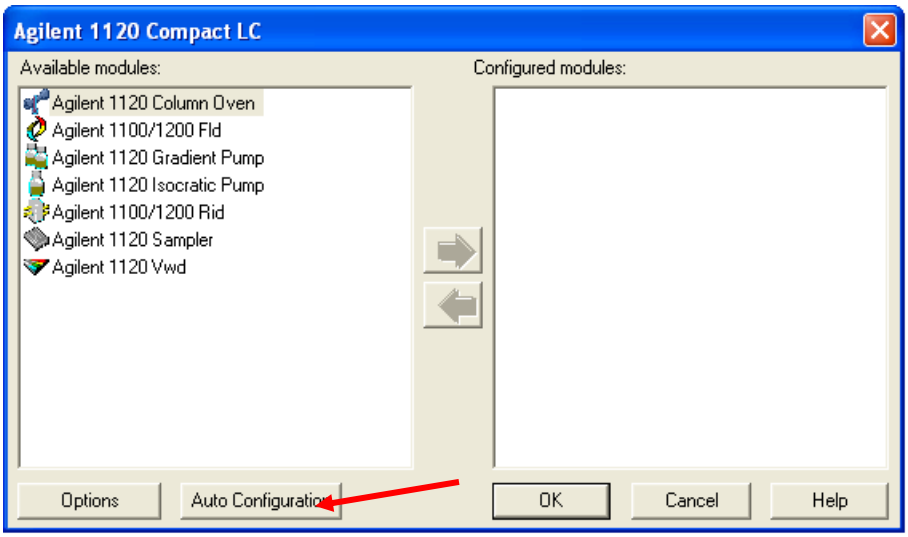
Right Click on the Symbol and choose ‘Configure’



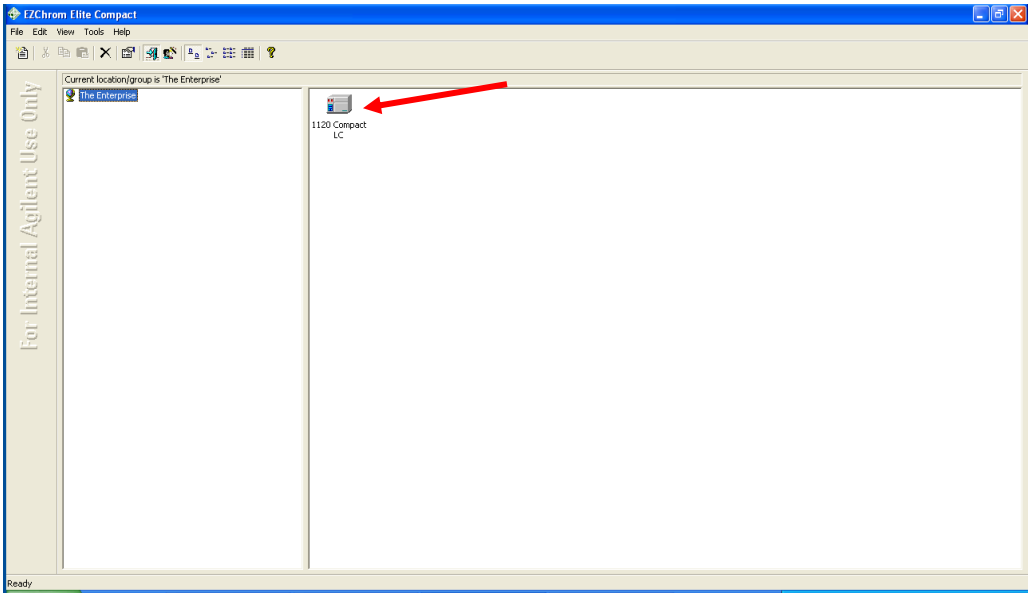
Choose Instrument Name and ‘Agilent Compact LC 1120’ for Instument Type



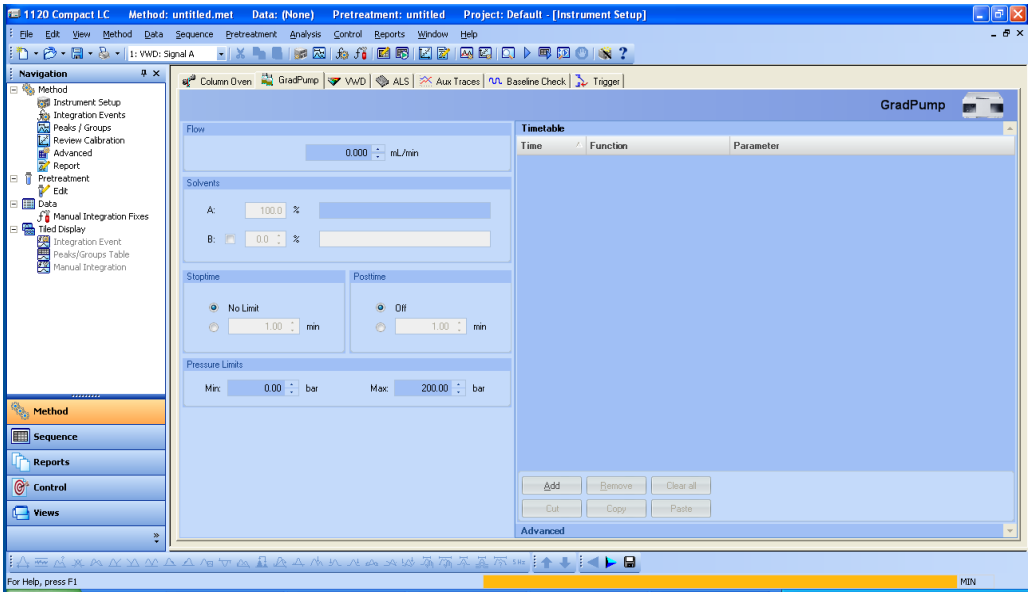
Then Configure
Click on IP and enter 192.168.254.11 (default IP Address)



Click on Auto Configure
When instruments are found click ‘OK’



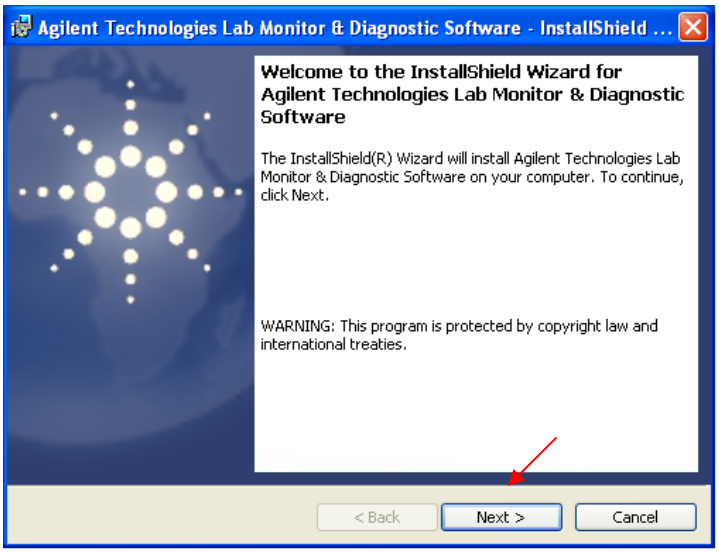
Now double Click on Icon



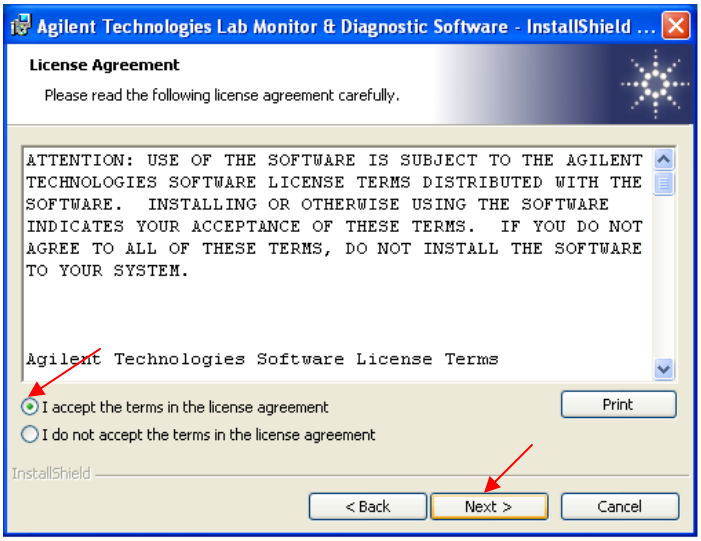
Now you are online with the instrument

Step 4.) Installing the Lab Monitoring and Diagnostic Software

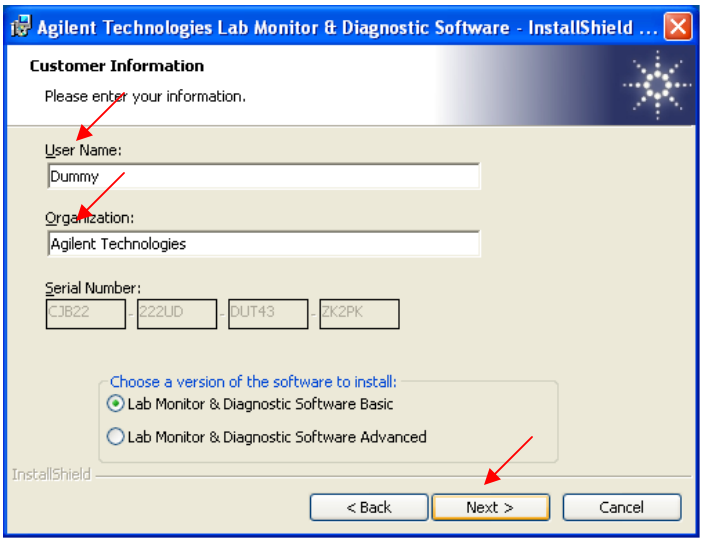
1. Insert DVD Lab Monitoring and Diagnostic Software in the DVD ROM of the controlling PC


Agilent Technologies Lab Monitor & Diagnostic Software - InstallShield ...
Welcome to the InstallShield Wizard for Agilent Technologies Lab Monitor & Diagnostic Software
The InstallShield(R) Wizard will install Agilent Technologies Lab Monitor & Diagnostic Software on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

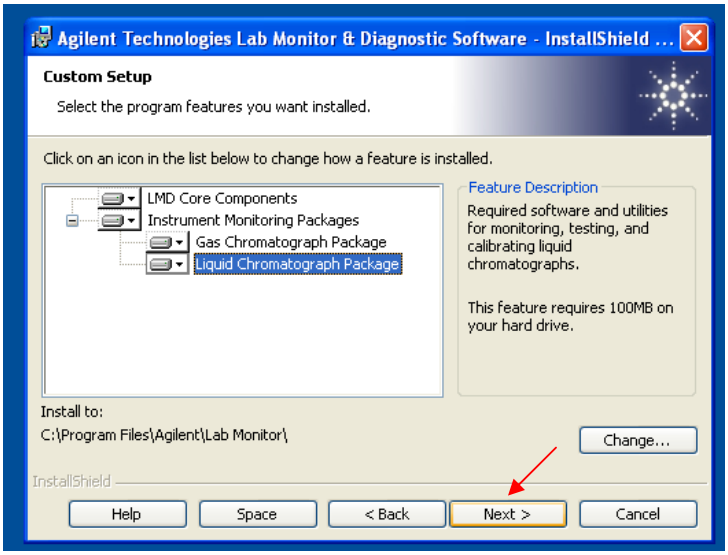
Welcome Screen, click on 'Next'

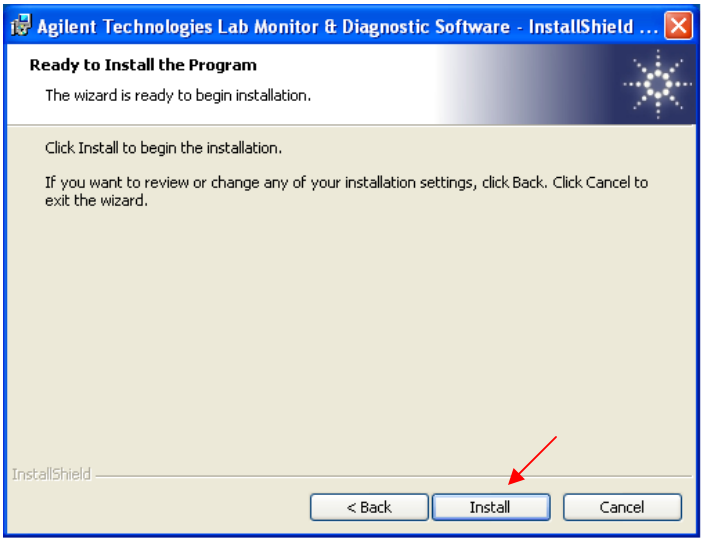

Agilent Technologies Lab Monitor & Diagnostic Software - InstallShield ...
License Agreement
Please read the following license agreement carefully.
ATTENTION: USE OF THE SOFTWARE IS SUBJECT TO THE AGILENT TECHNOLOGIES SOFTWARE LICENSE TERMS DISTRIBUTED WITH THE SOFTWARE. INSTALLING OR OTHERWISE USING THE SOFTWARE INDICATES YOUR ACCEPTANCE OF THESE TERMS. IF YOU DO NOT AGREE TO ALL OF THESE TERMS, DO NOT INSTALL THE SOFTWARE TO YOUR SYSTEM.
Agilent Technologies Software License Terms
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel

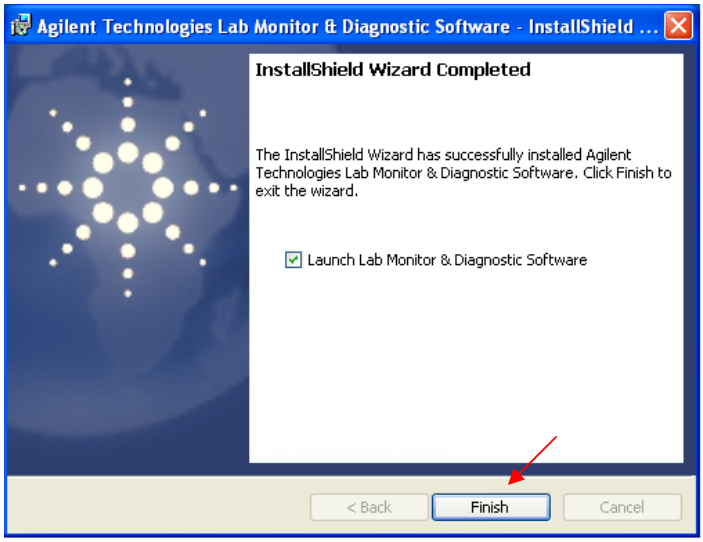
Accept the License Agreement after reading

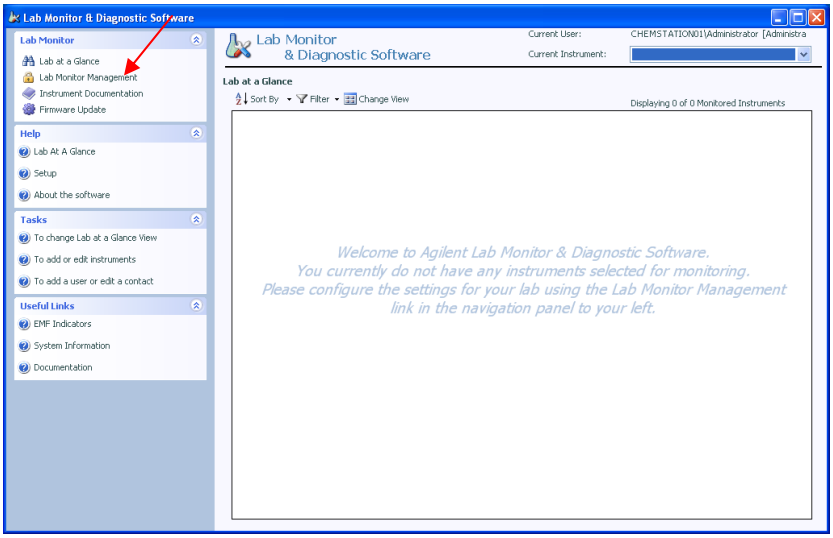


Enter a User Name and Organization


Agilent Technologies Lab Monitor & Diagnostic Software - InstallShield ...
Custom Setup
Select the program features you want installed.
Click on an icon in the list below to change how a feature is installed.
LMD Core Components
Instrument Monitoring Packages
Gas Chromatograph Package
Liquid Chromatograph Package
Feature Description
Required software and utilities for monitoring, testing, and calibrating liquid chromatographs.
This feature requires 100MB on your hard drive.
Install to:
C:\Program Files\Agilent\Lab Monitor\
Change...
InstallShield
Help
Space
< Back
Next >
Cancel

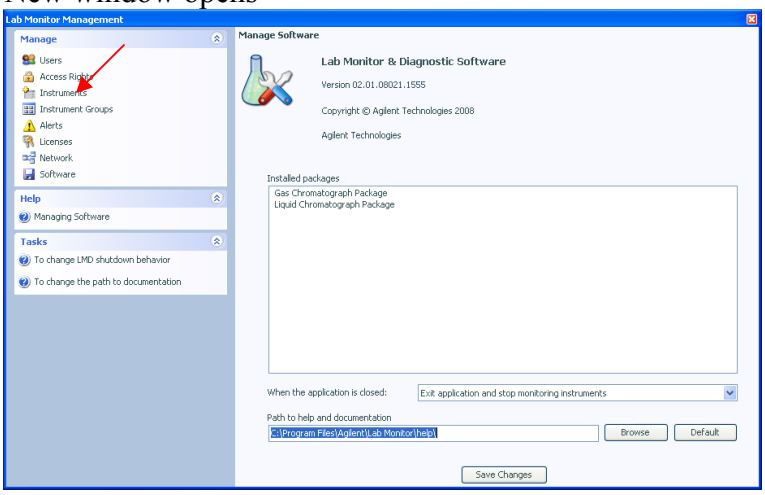

Agilent Technologies Lab Monitor & Diagnostic Software - InstallShield ...
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel


Agilent Technologies Lab Monitor & Diagnostic Software - InstallShield ...
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Agilent Technologies Lab Monitor & Diagnostic Software. Click Finish to exit the wizard.
Launch Lab Monitor & Diagnostic Software
< Back
Finish
Cancel

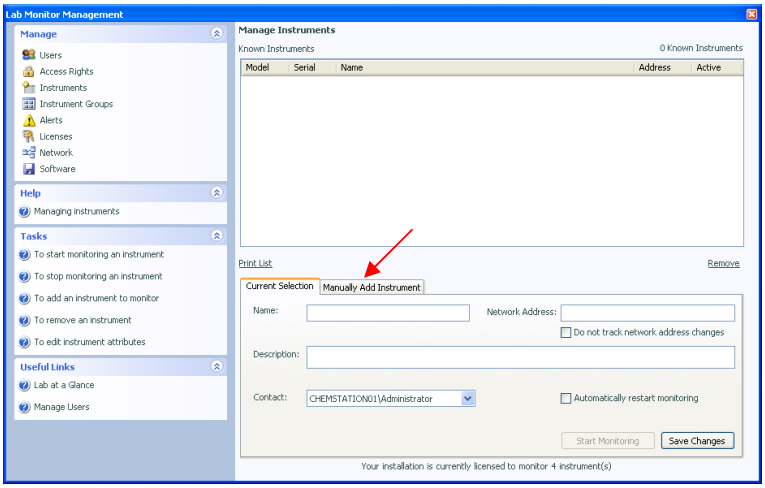

Lab Monitor & Diagnostic Software
Lab Monitor
Lab at a Glance
Lab Monitor Management
Instrument Documentation
Firmware Update
Help
Lab At A Glance
Setup
About the software
Tasks
To change Lab at a Glance View
To add or edit instruments
To add a user or edit a contact
Useful Links
EMF Indicators
System Information
Documentation
Lab Monitor & Diagnostic Software
Current User:
Current Instrument:
Lab at a Glance
Sort By
Filter
Change View
Displaying 0 of 0 Monitored Instruments
Welcome to Agilent Lab Monitor & Diagnostic Software.
You currently do not have any instruments selected for monitoring.
Please configure the settings for your lab using the Lab Monitor Management link in the navigation panel to your left.

Click on ‘Instrument Configuration’

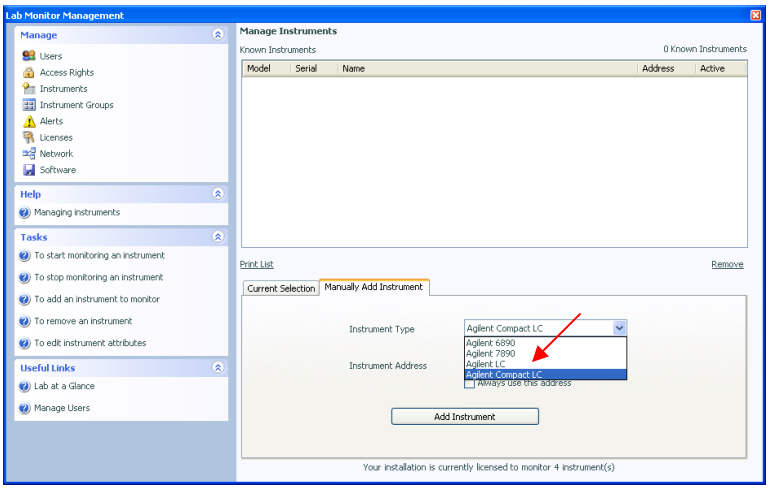
New window opens



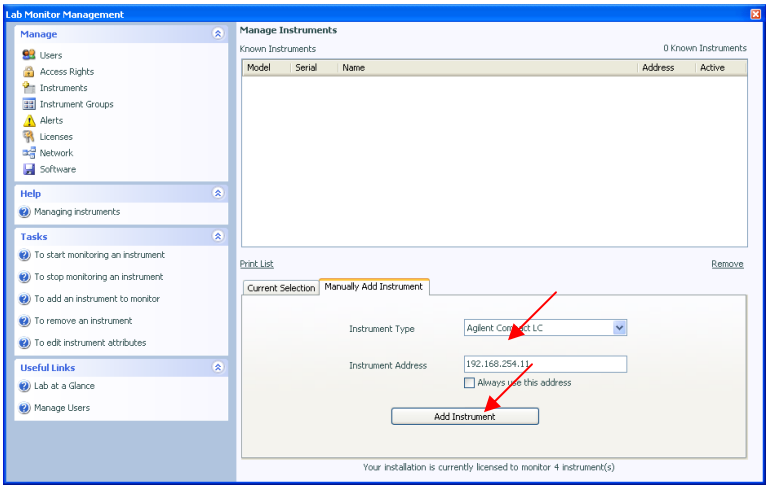
Click on ‘Instruments’ to add your Compact LC



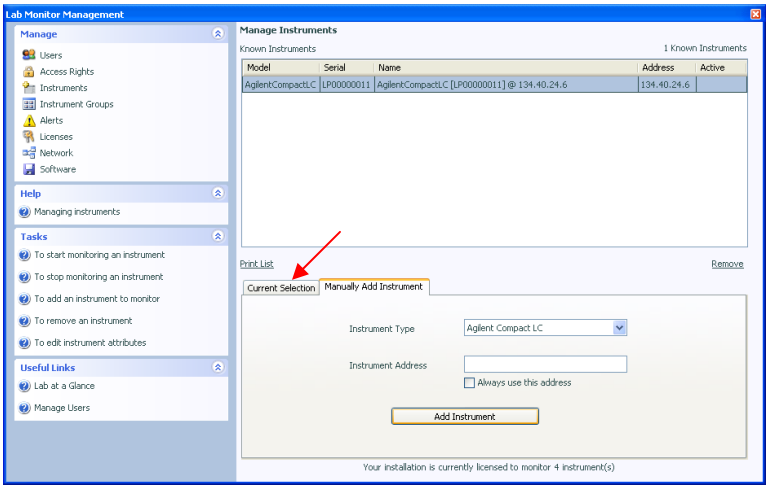
Change to ‘Manual Add Instrument’ Tab



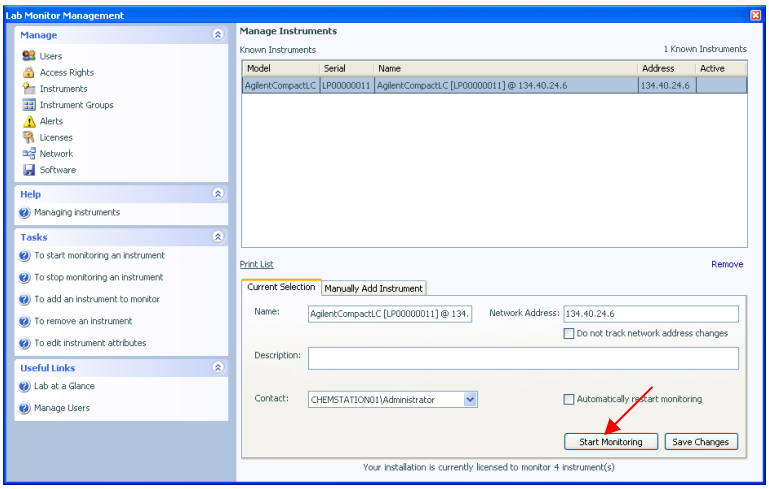
Choose Agilent 1120Compact LC



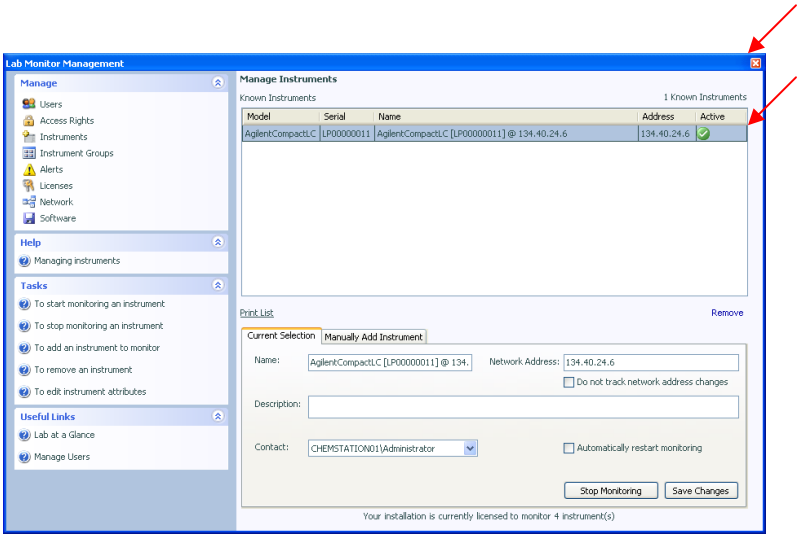
Enter IP Address 192.168.254.11 (default)



Change to ‘Current Instrument’ Tab

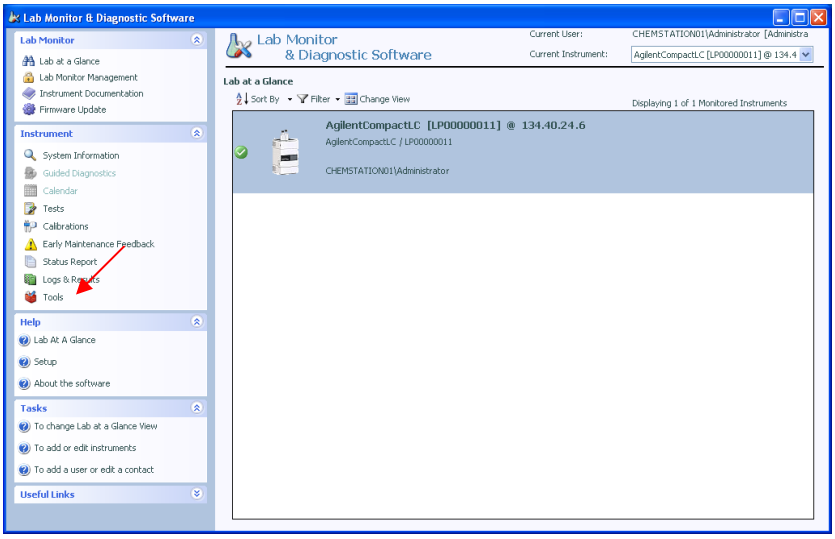


Start Monitoring

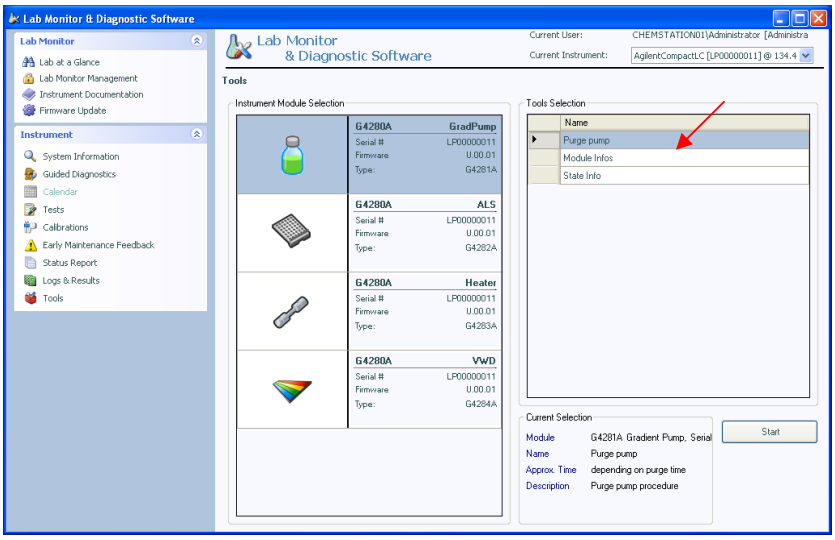


When green symbol appears, close the window.

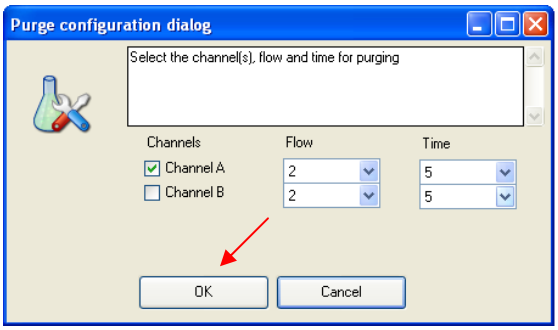
Step 5.) Priming the System and start the Installation Check using LMD software

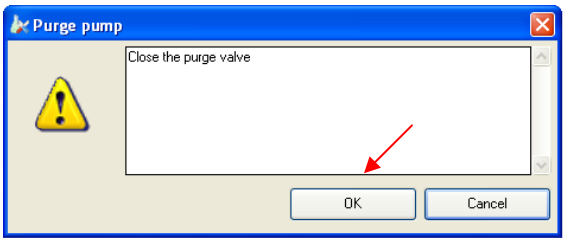


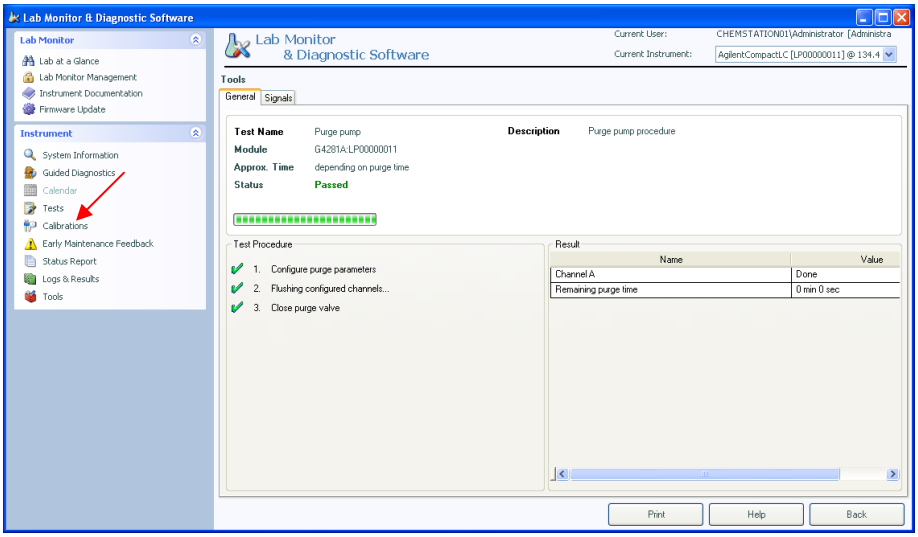
Click on ‘Tools’



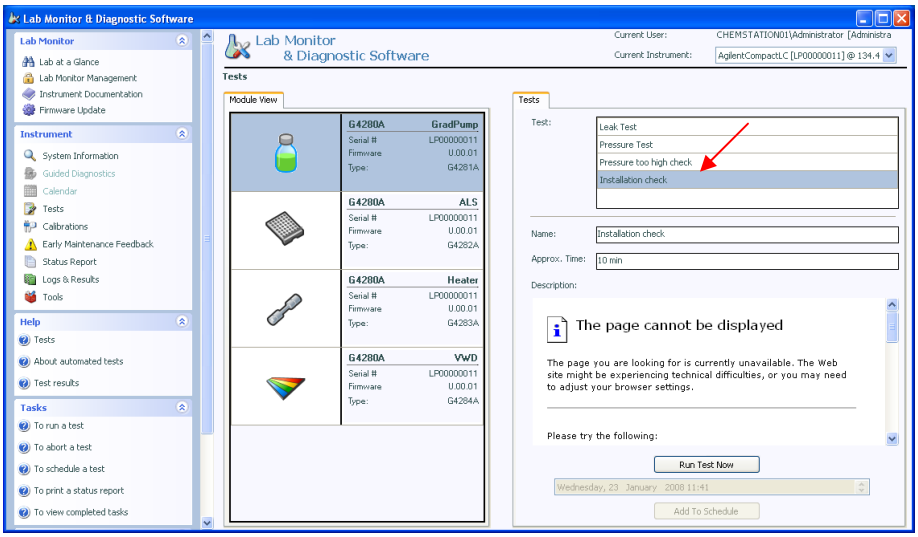
Choose ‘Purge System’ ensure that the Purge Valve is closed, recommended 5 min with Flow rate 2 ml/min, to remove air out of the System.



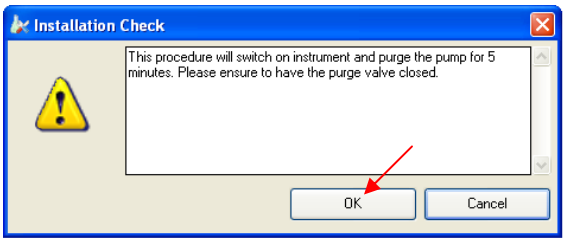


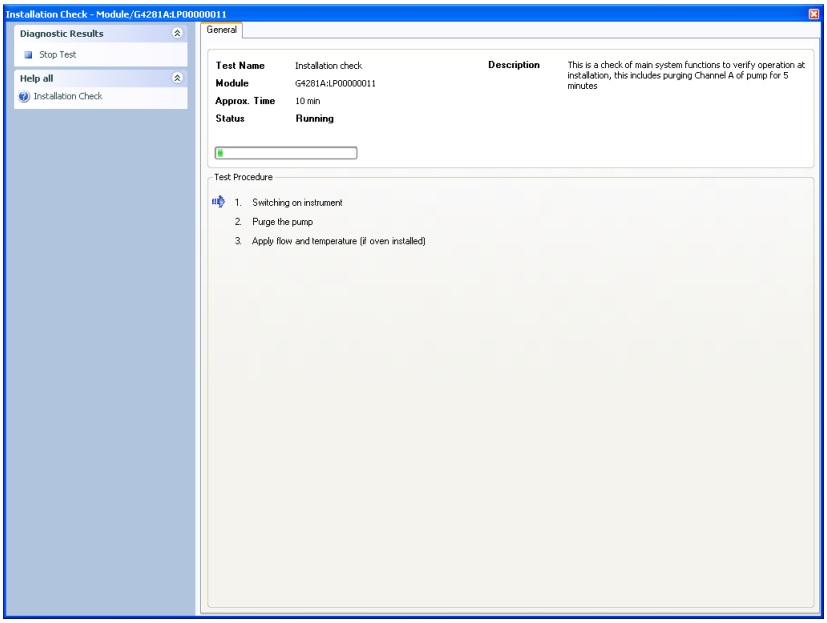


Change to ‘Tests’

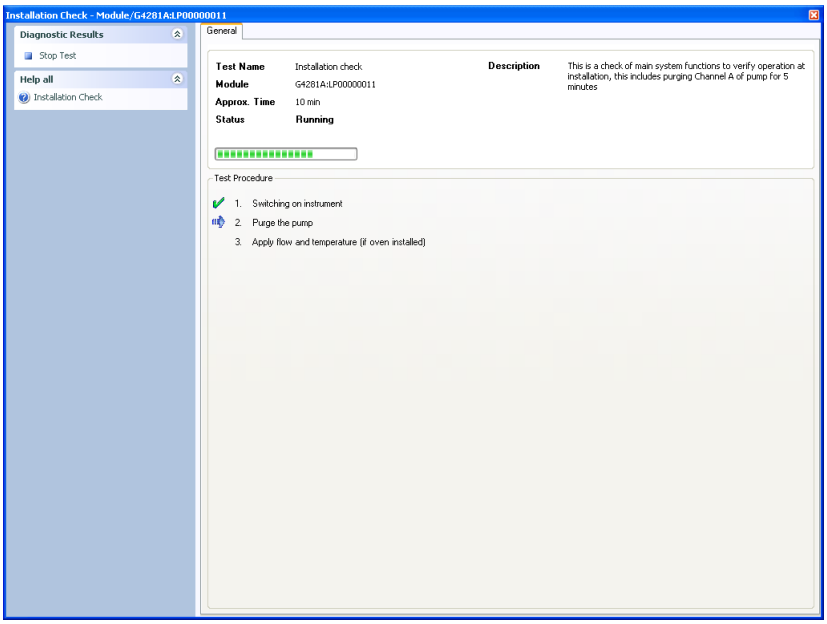


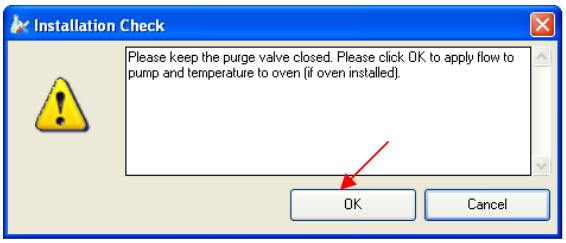
Choose ‘Installation Check’ then ‘Run Test Now’

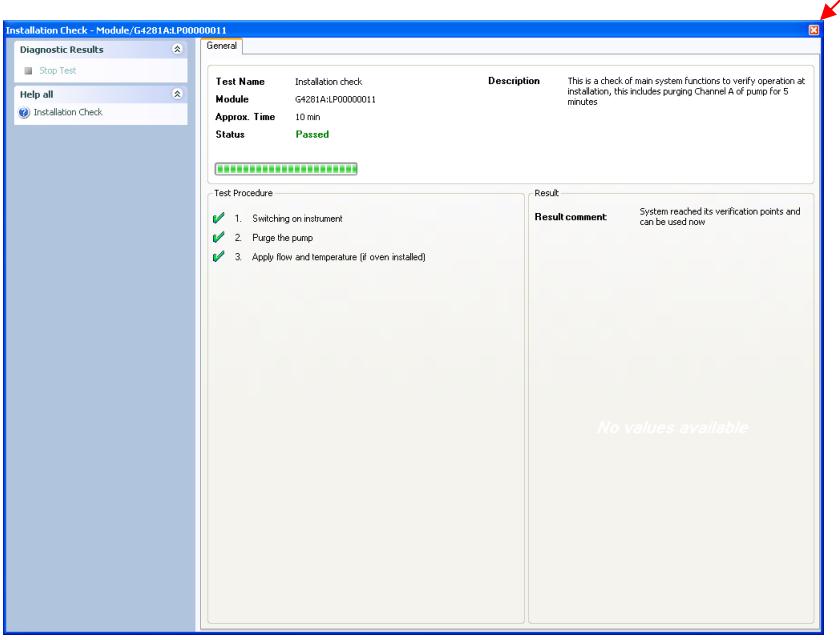

Installation Check
This procedure will switch on instrument and purge the pump for 5 minutes. Please ensure to have the purge valve closed.
OK
Cancel


Installation Check - Module/G4281A:LP00000011
Diagnostic Results
Stop Test
Help all
Installation Check
General
Test Name Installation check
Module G4281A:LP00000011
Approx. Time 10 min
Status Running
Description This is a check of main system functions to verify operation at installation, this includes purging Channel A of pump for 5 minutes
Test Procedure
1. Switching on instrument
2. Purge the pump
3. Apply flow and temperature (if oven installed)

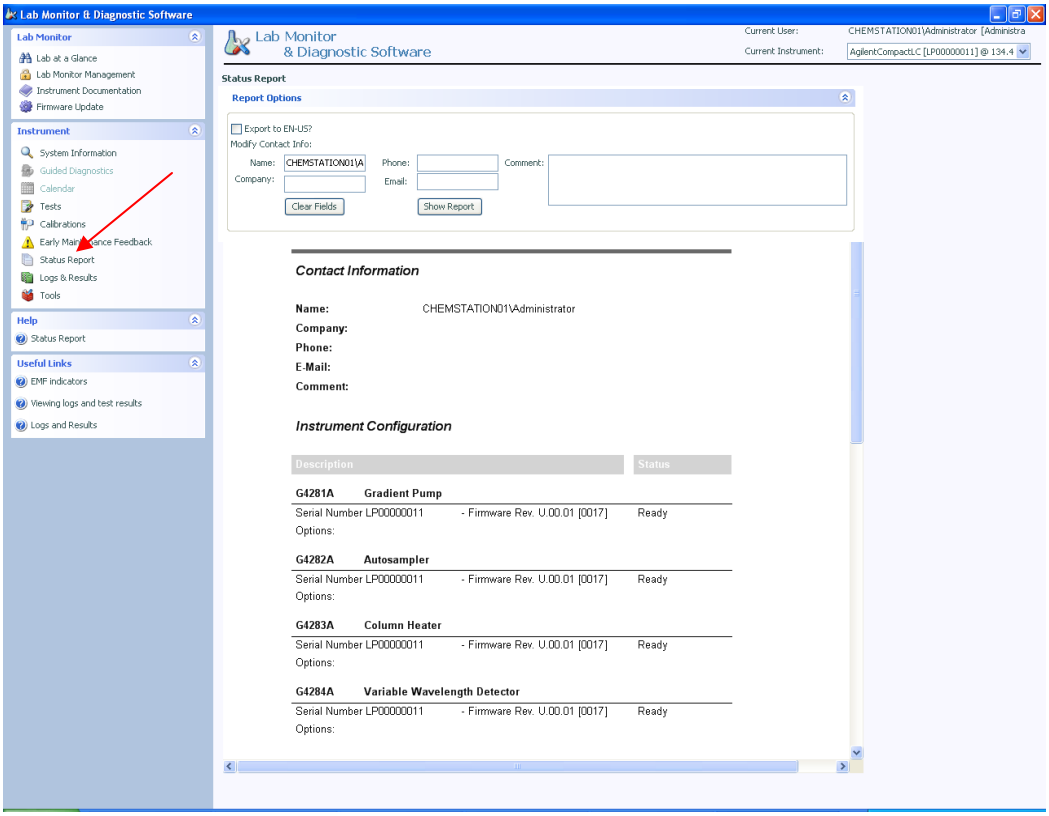
Progress runs automatically


Installation Check - Module/G4281A:LP00000011
Diagnostic Results
Stop Test
Help all
Installation Check
General
Test Name Installation check
Module G4281A:LP00000011
Approx. Time 10 min
Status Running
Description This is a check of main system functions to verify operation at installation, this includes purging Channel A of pump for 5 minutes
Test Procedure
1. Switching on instrument
2. Purge the pump
3. Apply flow and temperature (if oven installed)


Installation Check
Please keep the purge valve closed. Please click OK to apply flow to pump and temperature to oven (if oven installed).
OK
Cancel


Installation Check - Module/G4281A:LP00000011
Diagnostic Results
Stop Test
Help all
Installation Check
General
Test Name Installation check
Module G4281A:LP00000011
Approx. Time 10 min
Status Passed
Description This is a check of main system functions to verify operation at installation, this includes purging Channel A of pump for 5 minutes
Test Procedure
1. Switching on instrument
2. Purge the pump
3. Apply flow and temperature (if oven installed)
Result
Result comment: System reached its verification points and can be used now
No values available

Close window



Click on ‘Status Report’ to create the printable Report, Print Status Report.

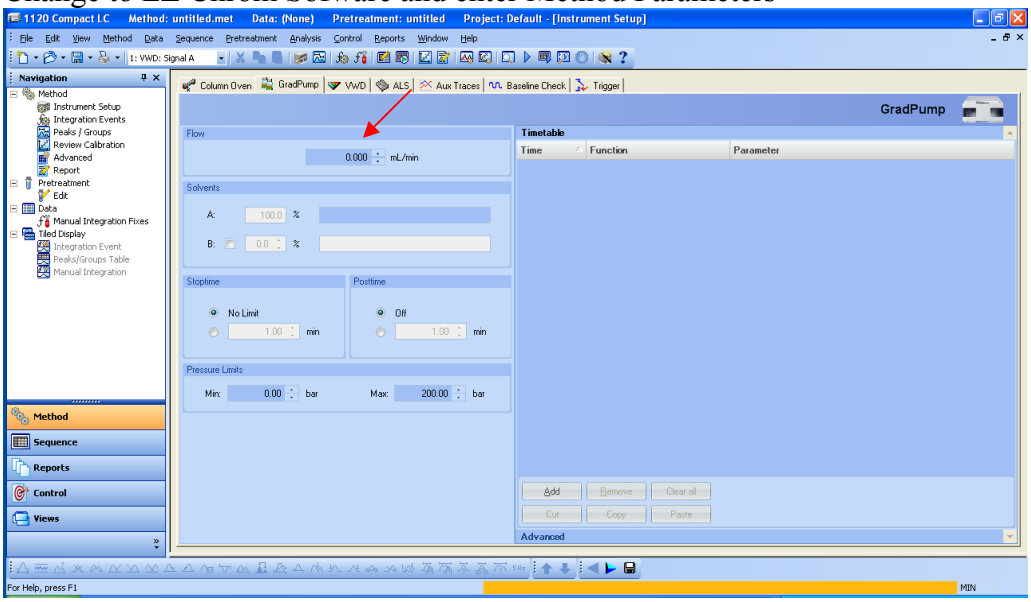
Step 6.) **Controlling Software Familiarization Topics**
Open ‘EZChromEliteCompactStartup.pdf’ located on the EZ Chrom Compact CD Rom in folder Manual and follow the Learning Instructions

Step 7.) Checking the System while running a checkout sample

1. Load Checkout Method ‘Checkout.met’

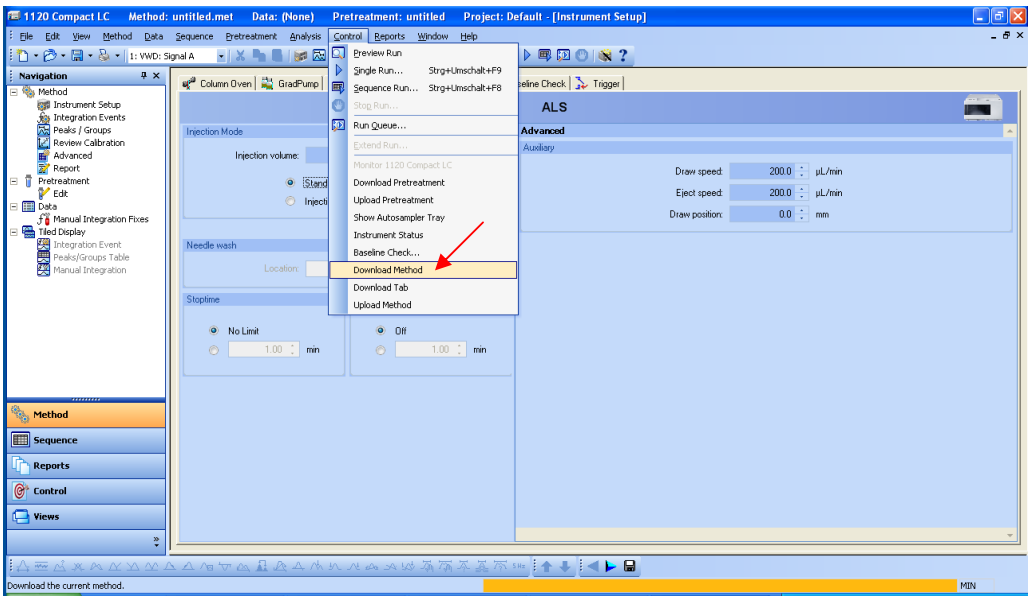
or

Change to EZ Chrom Sofware and enter Method Parameters

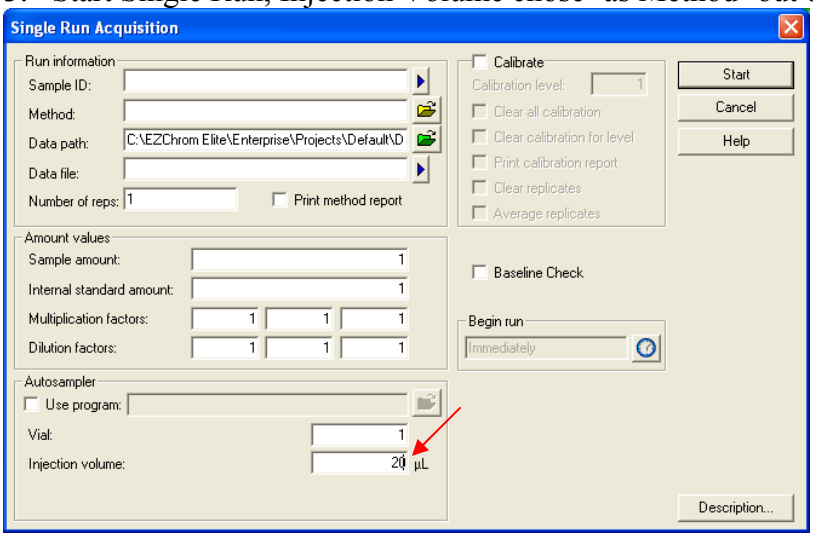


Method Parameters:

Flow:	1 ml/min
Inj. Vol:	20µl
Oven temp:	not controlled
VWD Wavelength:	273nm
Runtime:	1min



2. a. For Configurations with Autosampler: Place Vial filled with 1.5ml checkout solution in vial pos 1 in the Autosampler Tray
2. b. For Configurations with Manual Injection Valve: Load 20µl of checkout solution with a syringe in the Valve.
3. Start Single Run, Injection Volume chose ‘as Method’ out of Vial 1.



4. Click on Report in the Menu Bar → Method Report → Print report
5. Store the two Printed Reports in a Binder and you have finished the Agilent 1120 Compact LC System Installation.

G4280-90001

Part Number: G4280-90001

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